

# Converting Colors

CIELCh(99, 2.509, 155.691)

Have a look what the booklet for  
CIELCh(99, 2.509, 155.691) contains.

<b>CIELCh(99, 2.328, 158.675)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(99, 2.328, 158.675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FDFA
RGB	248, 253, 250
RGB Percent	97%, 99%, 98%
CMY	0.0260, 0.0064, 0.0181
CMYK	0.02, 0.00, 0.01, 0.01
HSL	144°, 61%, 98%
HSV	144°, 2%, 99%
XYZ	91.3998, 97.4360, 104.7381
YIQ	251.1630, -2.0170, -1.9930

# Conversions

## Conversions Part 2

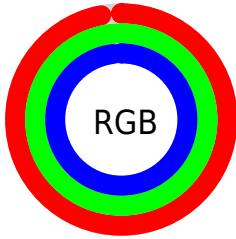
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 252, 253
Decimal	16317946
CIE Lab	99.00, -2.17, 0.85
CIE LCh	99, 2.328, 158.675
Yxy	97.4360, 0.3113, 0.3319
Android (android.graphics.Color)	4294508026 (0xFFF8FDFA)
YUV	251.1630, -0.5734, -2.7740
Hunter-Lab	98.7097, -7.4606, 6.1858

# Details

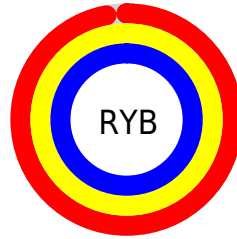
The CIELCh color 99, 2.328, 158.675 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.351, 338.576, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 1.819, 163.706 is the 20% darker color. If you saturate the color by 10%, you get 97, 14.224, 157.705, and if you desaturate by 10%, it is 100, 1.015, 324.173.

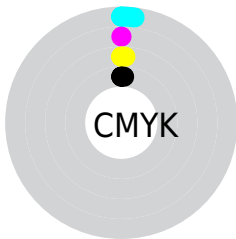
# Distribution



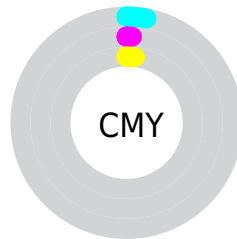
- Red (97%)
- Green (99%)
- Blue (98%)



- Red (97%)
- Yellow (99%)
- Blue (99%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)



- Cyan (3%)
- Magenta (1%)
- Yellow (2%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 2.328, 158.675 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 99, 2.328, 158.675 by changing the saturation by 10% instead.



 99, 2.328, 158.675

 99, 2.328, 158.675

 100, 2.328,  
158.675

 89, 2.328, 158.675

 79, 2.328, 158.675

 69, 2.328, 158.675

 59, 2.328, 158.675

 49, 2.328, 158.675

 39, 2.328, 158.675

 29, 2.328, 158.675

 19, 2.328, 158.675

 9, 2.328, 158.675

99, 2.328, 158.675

99, 2.328, 158.675

97, 14.224,  
157.705

100, 1.015,  
324.173

95, 26.112,  
156.793

93, 37.835,  
155.767


92, 49.202,  
154.598

91, 60.003,  
153.260

90, 70.024,  
151.730

89, 79.074,  
149.994

88, 87.021,  
148.052

 88, 93.817,  
145.932

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



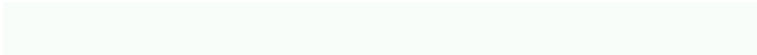
99, 2.328, 158.675



98, 2.351, 338.576

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 2.328, 158.675



99, 2.328, 208.675



99, 2.328, 338.675



99, 2.328, 28.675

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



99, 2.331, 158.660



100, 1.181, 158.920



99, 2.628, 124.831



53, 0.671, 158.943



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 2.331, 158.660



100, 2.371, 158.656



99, 1.769, 190.000



53, 1.348, 158.673



68, 79.040, 144.584



23, 33.991, 147.715



# Inverse Universe

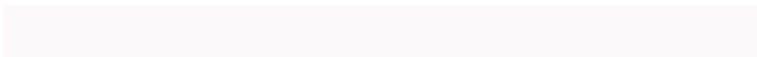
The Inverse Universe completely reimagines the original color for something new.



98, 2.351, 338.576



99, 2.392, 338.581



98, 1.792, 9.608



53, 1.360, 338.564



42, 70.369, 352.951



11, 33.155, 348.933



# Previews

## White Background



This preview shows how the CIE LCh color 99, 2.328, 158.675 looks on a white background.

## Color Contrast Check

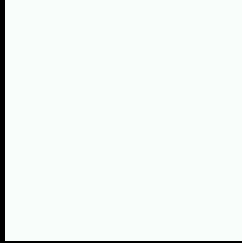
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 99, 2.328, 158.675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

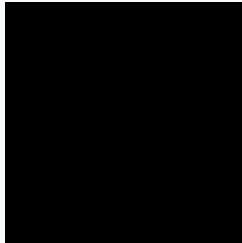
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 99, 2.328, 158.675

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 2.328, 158.675.



This preview shows how white text looks on a background with the CIELCh color 99, 2.328, 158.675.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**

99, 2.328, 158.675

**Protanopia**

99, 1.487, 38.999

**Deuteranopia**

99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 2.328, 158.675

**Protanomaly**

99, 1.061, 90.708

**Deuteranomaly**

99, 0.605, 74.599

**Tritanomaly**

99, 0.696, 200.307

# Monochromacy



**Original Color**

99, 2.328, 158.675

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.232, 144.648

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 2.328, 158.675 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(248, 253, 250)` looks like.

```
.text, #text, p{  
    color:rgb(248, 253, 250)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(248, 253, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 253, 250) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 2.328, 158.675 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(248, 253, 250) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(248, 253, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(248, 253, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 253, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 253, 250);  
box-shadow:4px 4px 4px 4px rgb(248, 253,  
250) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 2.328, 158.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 253, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(248,  
253, 250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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